

Converting Colors

XYZ(33.8829, 15.3821, 95.7910)

Have a look what the booklet for
XYZ(33.8829, 15.3821, 95.7910)
contains.

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Color

**XYZ(33.9863, 15.4355,
95.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	A700FF
RGB	167, 0, 255
RGB Percent	65%, 0%, 100%
CMY	0.3451, 1.0000, 0.0000
CMYK	0.35, 1.00, 0.00, 0.00
HSL	279°, 100%, 50%
HSV	279°, 100%, 100%
XYZ	33.9863, 15.4355, 95.7958
YIQ	79.0030, 17.6770, 114.7090

Conversions

Conversions Part 2

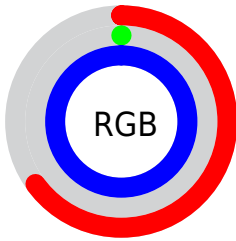
Format	Color
RYB	167, 0, 255
Decimal	10944767
CIELab	46.22, 86.68, -84.36
CIELCh	46, 120.951, 315.777
Yxy	15.4355, 0.2340, 0.1063
Android (android.graphics.Color)	4289134847 (0xFFA700FF)
YUV	79.0030, 86.7665, 77.1734
Hunter-Lab	39.2880, 85.6582, -117.0648

Details

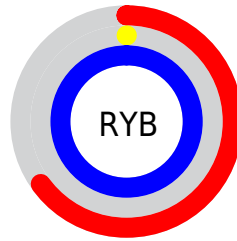
The XYZ color **33.9863, 15.4355, 95.7958** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.7845, 73.5947, 12.1084**, and the grayscale version is **7.2704, 7.6490, 8.3298**.

A 20% lighter version of the original color is **54.0193, 31.1903, 97.7809**, and **15.9037, 7.0345, 53.3429** is the 20% darker color. If you saturate the color by 10%, you get **33.9868, 15.4357, 95.7958**, and if you desaturate by 10%, it is **36.2686, 17.1442, 96.0053**.

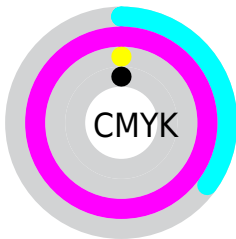
Distribution



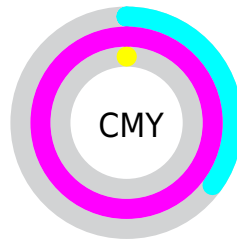
- Red (65%)
- Green (0%)
- Blue (100%)



- Red (65%)
- Yellow (0%)
- Blue (100%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9863, 15.4355, 95.7958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.9863, 15.4355, 95.7958 by changing the saturation by 10% instead.

 33.9863, 15.4355,
95.7958


 33.9863, 15.4355,
95.7958


311.6579,
225.9873, 567.7588


 23.0459, 9.1256,
72.1970


 65.2568, 35.6154,
157.3686


 14.7483, 4.8232,
52.8318


 86.3176, 50.2542,
196.1796


 8.7281, 2.1439,
37.2817


 111.4826, 68.4380,
240.8985

 4.6199, 0.6891,
25.1282

 141.1172, 90.5513,
291.9437

 2.0585, 0.0000,
15.9527

 175.5866,
116.9785, 349.7338

 0.6665, 0.0000,
9.3367

 215.2563,

 0.0000, 0.0000,

148.1040, 414.6873

4.8616

260.4917,
184.3121, 487.2228

■ 0.0000, 0.0000,
2.1090

■ 0.0000, 0.0000,
0.6211

■ 33.9863, 15.4355,
95.7958

■ 33.9863, 15.4355,
95.7958

■ 33.9868, 15.4357,
95.7958

■ 36.2686, 17.1442,
96.0053

■ 39.1459, 19.8530,
96.3765

■ 42.7644, 23.8490,
96.9571

■ 47.2137, 29.3083,
97.7764

■ 52.5692, 36.3784,
98.8588

■ 58.8972, 45.1885,
100.2258

■ 66.2570, 55.8542,
101.8966

■ 74.7031, 68.4812,
103.8887

■ 84.2856, 83.1670,
106.2183

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7562, 15.4355, 152.3169



33.9863, 15.4355, 95.7958



43.5461, 15.4355, 34.9987

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.9863, 15.4355, 95.7958



20.1079, 15.4355, 0.0000



2.6606, 15.4355, 37.4831

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.9863, 15.4355, 95.7958



39.7845, 73.5947, 12.1084

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.6162, 15.4355, 6.3518



33.9863, 15.4355, 95.7958



9.9091, 15.4355, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.9863, 15.4355, 95.7958



33.3244, 15.4355, 0.0000



4.5489, 15.4355, 0.0000



4.7254, 15.4355, 99.3157

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9863, 15.4355, 95.7958



44.6029, 15.4355, 11.7099



4.5489, 15.4355, 0.0000



2.4587, 15.4355, 23.2019

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.9871, 15.4360, 95.7959



66.2559, 55.8525, 101.8963



21.6435, 14.4069, 96.2478



13.4896, 10.9423, 21.6510



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.9871, 15.4360, 95.7959



33.9868, 15.4357, 95.7958



53.7320, 26.2569, 67.7117



18.1484, 17.9682, 22.7616



17.9258, 8.1516, 50.0632



1.8630, 0.8543, 4.8800

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.0015, 21.9647, 11.2057



43.0014, 21.9645, 11.2052



36.1140, 71.6616, 13.7839



18.2681, 18.0906, 20.0290



22.5321, 11.5021, 6.1865



2.2429, 1.1396, 0.8608

Previews

White Background



This preview shows how the XYZ color 33.9863, 15.4355, 95.7958 looks on a white background.

Color Contrast Check

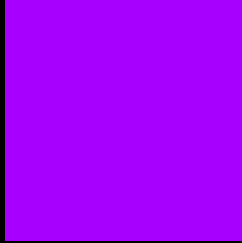
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.9863, 15.4355, 95.7958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

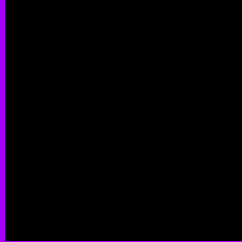
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9863, 15.4355, 95.7958

Background



This preview shows how black text looks on a background with the XYZ color 33.9863, 15.4355, 95.7958.



This preview shows how white text looks on a background with the XYZ color 33.9863, 15.4355,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.9863, 15.4355, 95.7958

Protanopia

18.8483, 15.9516, 73.3197

Deuteranopia

15.7549, 15.9297, 53.2833



Tritanopia

17.8585, 15.6648, 15.9923

Trichromacy



Original Color

33.9863, 15.4355, 95.7958

Protanomaly

19.1319, 11.1825, 80.5070

Deuteranomaly

16.7017, 10.7151, 66.1537

Tritanomaly

20.6608, 12.6296, 35.0670

Monochromacy



Original Color

33.9863, 15.4355, 95.7958

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.6541, 7.6439, 26.7951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9863, 15.4355, 95.7958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9863, 15.4355, 95.7958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 0, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(167, 0, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(167, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9863, 15.4355, 95.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167, 0,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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